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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/954,624	09/12/2001	Robert O. Dempcy	17682A-007400US	6830
20350	7590 08/28/2003		•	
	O AND TOWNSEND A	EXAMINER		
	RCADERO CENTER	HENRY, MICHAEL C		
EIGHTH FLO	DISCO, CA 94111-3834			
Driiv I Idriivei	1000, C/1 74111-5054		ART UNIT	PAPER NUMBER
			1623	
			DATE MAILED: 08/28/2003	
)

Please find below and/or attached an Office communication concerning this application or proceeding.

1						
<u>, , , , , , , , , , , , , , , , , , , </u>		Applicati n No.	Applicant(s)			
		09/954,624	DEMPCY ET AL.			
	Office Action Summary	Examiner	Art Unit			
	·	Michael C. Henry	1623			
Period fo	The MAILING DATE of this communication a or Reply	ppears on the c ver sh	eet with the correspondence ac	ldress		
THE - External after of the control	IORTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION ensions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. Is period for reply specified above is less than thirty (30) days, a reproductive to reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by state reply received by the Office later than three months after the may ed patent term adjustment. See 37 CFR 1.704(b).	1. 1.136(a). In no event, however, eply within the statutory minimun od will apply and will expire SIX (tute, cause the application to bec	may a reply be timely filed n of thirty (30) days will be considered time 6) MONTHS from the mailing date of this o ome ABANDONED (35 U.S.C. § 133).	ly xommunication.		
Status			·			
1)	Responsive to communication(s) filed on _					
2a)☐ —	,—	This action is non-final.				
3)□ Disposit	Since this application is in condition for allo closed in accordance with the practice undo ion of Claims			ne merits is		
•	Claim(s) <u>1-43</u> is/are pending in the applicati	on				
4/64	4a) Of the above claim(s) is/are withd		n			
5)⊠	Claim(s) <u>4-10 and 13-43</u> is/are allowed.					
· · _	Claim(s) <u>1-3,11 and 12</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
•	Claim(s) are subject to restriction and	l/or election requiremen	nt .			
	ion Papers	, or olderen requiremen	•••			
9)[The specification is objected to by the Exami	ner.				
10)	The drawing(s) filed on is/are: a)□ acc	cepted or b) objected to	by the Examiner.			
	Applicant may not request that any objection to	the drawing(s) be held in	abeyance. See 37 CFR 1.85(a).			
11)	The proposed drawing correction filed on	is: a)□ approved b) disapproved by the Examin	ier.		
	If approved, corrected drawings are required in	reply to this Office action.				
12)	The oath or declaration is objected to by the l	Examiner.				
Priority (under 35 U.S.C. §§ 119 and 120					
13)	Acknowledgment is made of a claim for fore	ign priority under 35 U.	S.C. § 119(a)-(d) or (f).			
a)	☐ All b)☐ Some * c)☐ None of:					
	1. Certified copies of the priority docume	nts have been received	i.			
	2. Certified copies of the priority docume	nts have been received	I in Application No			
	3. Copies of the certified copies of the prapplication from the International E	Bureau (PCT Rule 17.2	(a)).	Stage		
	See the attached detailed Office action for a li	·		l anniention)		
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received.						
	i) Li The translation of the foreigh language p Acknowledgment is made of a claim for dome	* *				
Attachmen	rt(s)					
2) 🔲 Notic	ce of References Cited (PTO-892) be of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s	5) 🔲 Not	rview Summary (PTO-413) Paper No ice of Informal Patent Application (PT er:			
			and the second s			

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DETAILED ACTION

Claims 1-29 are pending in application

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 11 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. See MPEP § 2172.01. The omitted steps are: The steps that recite how the said non-halogenated nucleoside base containing nucleoside is used in the synthesis of a phosphoramidite nucleoside

Claims 12 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. See MPEP § 2172.01. The omitted steps are: The steps that recite how the phosphoramidite nucleoside is used in the synthesis of an oligonucleoside or an oligonucleotide.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Seela et al.

(Nucleic Acid Research, Vol. 17, No. 3, 1989).

In claim 1, applicant claims a PPG phosphoramidite comprising a photolabile hydroxy protecting group, wherein said phosphoramidite nucleoside is of a given formula. Seela et al.

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disclose applicant's PPG phosphoramidite comprising a photolabile hydroxy protecting group, wherein said phosphoramidite nucleoside is of said given formula (see page 902, compound 6a and 6b). In Seela et al. phosphoramide nucleoside, R1 is hydrogen, R2 is an alkyl (isobutyl), Z1=Z2=Z4=Z6 = H, Z5 is a photolabile hydroxy protecting group (DMT) and Z3 is a phosphoramidite group. It should be noted that claims 2 and 3 are also anticipated by Seela et al.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The examiner has found claims 4-10, 13-43 to be unobvious over the prior art of record and therefore to be allowable over the prior art of record. The present invention relates a PPG phosphoramidite comprising a photolabile hydroxy protecting group, wherein said phosphoramidite nucleoside is of a given formula and a process for preparing said phosphoramide. The very relevant prior art documents (Seela et al., Nucleic Acid Research, Vol. 17, No. 3, (1989) and Seela et al., Helvetica Chimica acta, Vol. 71 (1988)) to this invention discloses a PPG phosphoramidite comprising a photolabile hydroxy protecting group, wherein said phosphoramidite nucleoside is of a given formula and a process for preparing said phosphoramide. However, though phosphoramidite nucleoside of claims 1-3 are anticipated by the prior art document, the phosporamidite and the processes of claims 4-10, 13-43 of the instant invention, which are characterized by further limitations, are different and unobvious to those of the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Henry whose telephone number is 703 308-7307. The examiner can normally be reached on 8:30 am to 5:00 pm; Mon-Fri. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 703 308-4624. The fax phone number for the organization where this application or proceeding is assigned is 703 308-4556.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308-1235.

MCH

August 19, 2003

SAMUEL BARTS
PRIMARY EXAMINER
GROUP 1200